

S. Turner

1645

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/155,076

DATE: 10/05/1999  
TIME: 16:02:23

Input Set: I155076.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Greenfield et al., Susan A.  
2 <120> TITLE OF INVENTION: PEPTIDE FROM SOLUBLE FORM OF ACETYLCHOLINESTERASE,  
3 ACTIVE AS A CALCIUM CHANNEL MODULATOR  
4 <130> FILE REFERENCE: 98-0967\*/WMC/00263  
5 <140> CURRENT APPLICATION NUMBER: US/09/155,076  
6 <141> CURRENT FILING DATE: 1998-10-23  
7 <160> NUMBER OF SEQ ID NOS: 14  
8 <170> SOFTWARE: PatentIn Ver. 2.0  
9 <210> SEQ ID NO 1  
10 <211> LENGTH: 14  
11 <212> TYPE: PRT  
12 <213> ORGANISM: Artificial Sequence  
13 <220> FEATURE:  
14 <223> OTHER INFORMATION: Description of Artificial Sequence: PEPTIDE  
15 <400> SEQUENCE: 1  
16 Ala Glu Phe His Arg Trp Ser Ser Tyr Met Val His Trp Lys  
17 1 5 10  
18 <210> SEQ ID NO 2  
19 <211> LENGTH: 16  
20 <212> TYPE: PRT  
21 <213> ORGANISM: Artificial Sequence  
22 <220> FEATURE:  
23 <223> OTHER INFORMATION: Description of Artificial Sequence: PEPTIDE  
24 <400> SEQUENCE: 2  
25 Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys  
26 1 5 10 15  
27 <210> SEQ ID NO 3  
28 <211> LENGTH: 4  
29 <212> TYPE: PRT  
30 <213> ORGANISM: Artificial Sequence  
31 <220> FEATURE:  
32 <223> OTHER INFORMATION: Description of Artificial Sequence: PEPTIDE  
33 <400> SEQUENCE: 3  
34 Tyr Met Val His  
35 1  
36 <210> SEQ ID NO 4  
37 <211> LENGTH: 4  
38 <212> TYPE: PRT  
39 <213> ORGANISM: Artificial Sequence  
40 <220> FEATURE:  
41 <223> OTHER INFORMATION: Description of Artificial Sequence: PEPTIDE  
42 <400> SEQUENCE: 4  
43 Met Val His Trp  
44 1

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/155,076

DATE: 10/05/1999  
TIME: 16:02:23

Input Set: I155076.RAW

```

45 <210> SEQ ID NO 5
46 <211> LENGTH: 4
47 <212> TYPE: PRT
48 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: PEPTIDE
51 <400> SEQUENCE: 5
52     Val His Trp Lys
53         1
54 <210> SEQ ID NO 6
55 <211> LENGTH: 44
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
60 <400> SEQUENCE: 6
61     Leu Ser Ala Thr Asp Thr Leu Asp Glu Ala Glu Arg Gln Trp Lys Ala
62         1             5             10             15
63     Glu Phe His Arg Trp Ser Ser Tyr Met Val His Trp Lys Asn Gln Phe
64             20             25             30
65     Asp His Tyr Ser Lys Gln Asp Arg Cys Ser Asp Leu
66             35             40
67 <210> SEQ ID NO 7
68 <211> LENGTH: 54
69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
73 <400> SEQUENCE: 7
74     Ala Phe Trp Asn Arg Phe Leu Pro Lys Leu Leu Ser Ala Thr Asp Thr
75         1             5             10             15
76     Leu Asp Glu Ala Glu Arg Gln Trp Lys Ala Glu Phe His Arg Trp Ser
77             20             25             30
78     Ser Tyr Met Val His Trp Lys Asn Gln Phe Asp His Tyr Ser Lys Gln
79             35             40             45
80     Asp Arg Cys Ser Asp Leu
81         50
82 <210> SEQ ID NO 8
83 <211> LENGTH: 44
84 <212> TYPE: PRT
85 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
88 <400> SEQUENCE: 8
89     Leu Ser Ala Thr Asp Thr Leu Asp Glu Ala Glu Arg Gln Trp Lys Ala
90         1             5             10             15
91     Glu Phe His Arg Trp Ser Ser Tyr Met Val His Trp Lys Asn Gln Phe
92             20             25             30
93     Asp His Tyr Ser Lys Gln Glu Arg Cys Ser Asp Leu
94             35             40

```

PAGE: 3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/155,076

DATE: 10/05/1999  
TIME: 16:02:23

Input Set: I155076.RAW

```

95  <210> SEQ ID NO 9
96  <211> LENGTH: 44
97  <212> TYPE: PRT
98  <213> ORGANISM: Artificial Sequence
99  <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
101 <400> SEQUENCE: 9
102   Leu Ser Ala Thr Asp Thr Leu Asp Glu Ala Glu Arg Gln Trp Lys Ala
103       1             5             10             15
104   Glu Phe His Arg Trp Ser Ser Tyr Met Val His Trp Lys Asn Gln Phe
105               20             25             30
106   Asp His Tyr Ser Lys Gln Glu Arg Cys Ser Asp Leu
107           35             40
108 <210> SEQ ID NO 10
109 <211> LENGTH: 53
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
114 <400> SEQUENCE: 10
115   Phe Trp Asn Arg Phe Leu Pro Lys Leu Leu Asn Ala Thr Asp Thr Leu
116       1             5             10             15
117   Asp Glu Ala Glu Arg Gln Trp Lys Ala Glu Phe His Arg Trp Ser Ser
118               20             25             30
119   Tyr Met Val His Trp Lys Asn Gln Phe Asp His Tyr Ser Lys Gln Asp
120           35             40             45
121   Arg Cys Ser Asp Leu
122       50
123 <210> SEQ ID NO 11
124 <211> LENGTH: 42
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
129 <400> SEQUENCE: 11
130   Thr Gly Asn Ile Asp Glu Ala Glu Trp Glu Trp Lys Ala Gly Phe His
131       1             5             10             15
132   Arg Trp Asn Asn Tyr Met Asn Asp Trp Lys Asn Gln Phe Asn Asp Tyr
133               20             25             30
134   Thr Ser Lys Lys Glu Ser Cys Val Gly Leu
135           35             40
136 <210> SEQ ID NO 12
137 <211> LENGTH: 47
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
142 <400> SEQUENCE: 12
143   Lys Val Leu Glu Met Thr Gly Asn Ile Asp Glu Ala Glu Gln Glu Trp
144       1             5             10             15

```

PAGE: 4

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/155,076

DATE: 10/05/1999  
TIME: 16:02:23

Input Set: I155076.RAW

```

145      Lys Ala Gly Phe His Arg Trp Asn Asn Tyr Met Asn Ala Trp Lys Asn
146              20                      25                      30
147      Asn Phe Asn Asp Tyr Thr Ser Lys Lys Glu Arg Cys Ala Gly Phe
148              35                      40                      45
149      <210> SEQ ID NO 13
150      <211> LENGTH: 43
151      <212> TYPE: PRT
152      <213> ORGANISM: Artificial Sequence
153      <220> FEATURE:
154      <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
155      <400> SEQUENCE: 13
156      Met Thr Gly Asp Ile Asp Glu Thr Glu Gln Glu Trp Lys Ala Gly Phe
157      1              5              10              15
158      His Arg Trp Ser Asn Tyr Met Asn Asp Trp Gln Asn Gln Phe Asn Asp
159              20              25              30
160      Tyr Thr Ser Lys Lys Glu Ser Cys Thr Ala Leu
161              35              40
162      <210> SEQ ID NO 14
163      <211> LENGTH: 70
164      <212> TYPE: PRT
165      <213> ORGANISM: Artificial Sequence
166      <220> FEATURE:
167      <223> OTHER INFORMATION: Description of Artificial Sequence: POLYPEPTIDE
168      <400> SEQUENCE: 14
169      Ser Gly Leu Thr Asn Ile Lys Thr Glu Glu Ile Ser Glu Tyr Lys Met
170      1              5              10              15
171      Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
172              20              25              30
173      Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
174              35              40              45
175      Gly Leu Met Val Gly Gly Val Val Ile Ala Thr Val Ile Val Ile Thr
176              50              55              60
177      Leu Val Met Leu Lys Lys
178              65              70

```

PAGE: 5

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/155,076

DATE: 10/05/1999  
TIME: 16:02:23

Input Set: I155076.RAW

Line ? Error/Warning

Original Text

---